

- 18 -

C L A I M S

1. A bitumen composition comprising:-

(i) from 0.1 to 25 % wt of an elastomer,

(ii) from 0.1 to 40 % wt of a solvent,

(iii) from 30 to 99 % wt of a bitumen,

5 (iv) from 0.1 to 30 % wt of a lithium salt of a C<sub>10</sub>-C<sub>40</sub> fatty acid or hydroxy fatty acid, and optionally

(v) from 0 to 70 % wt of a filler, all weights based on total bitumen composition,

wherein the solvent is of general formula (I)



10

wherein R<sup>1</sup> represents a hydrogen atom or a hydrocarbyl group having from 1 to 6 carbon atoms, R<sup>2</sup> represents a hydrocarbyl group having from 1 to 6 carbon atoms, and the sum of the carbon atoms in R<sup>1</sup> and R<sup>2</sup> is from 5 to 7.

15 2. A bitumen composition as claimed in claim 1, wherein the elastomer is a block copolymer comprising at least two terminal poly(monovinylaromatic hydrocarbon) blocks and at least one central poly(conjugated diene) block.

3. A bitumen composition as claimed in claim 1 or claim 2, where in the solvent of general formula (I) R<sup>1</sup> and R<sup>2</sup> each independently represent an alkyl group having from 2 to 4 carbon atoms and the sum of the carbon atoms in R<sup>1</sup> and R<sup>2</sup> is 6.

4. A bitumen composition as claimed in claim 3, wherein the solvent of general formula (I) is n-butyl propionate.

25 5. A bitumen composition as claimed in any one of claims 1 to 4, wherein the bitumen has a penetration in the range

- 19 -

of from 100 to 300 dmm (measured at 25 °C according to EN 1426).

6. A bitumen composition as claimed in any one of claims 1 to 5, wherein the lithium salt is a lithium salt of a C<sub>12</sub>-C<sub>22</sub> fatty acid or hydroxy fatty acid.

7. Use of a bitumen composition as claimed in any one of claims 1 to 6 as a cold-applicable adhesive.

8. A process of preparing a bitumen composition which comprises mixing a first component (A) comprising (i) from 0.1 to 25 % wt of an elastomer, and (ii) from 0.1 to 40 % wt of a solvent; with a second component (B) comprising (iii) from 30 to 99 % wt of a bitumen, (iv) from 0.1 to 30 % wt of a lithium salt of a C<sub>10</sub>-C<sub>40</sub> fatty acid or hydroxy fatty acid, and optionally (v) from 0 to 70 % wt of a filler, all weights based on total bitumen composition, wherein the solvent is of general formula (I)



wherein R<sup>1</sup> represents a hydrogen atom or a hydrocarbyl group having from 1 to 6 carbon atoms, R<sup>2</sup> represents a hydrocarbyl group having from 1 to 6 carbon atoms, and the sum of the carbon atoms in R<sup>1</sup> and R<sup>2</sup> is from 5 to 7.

9. A process as claimed in claim 8, which process comprises preparing component (B) by heating the bitumen to a temperature in the range of from 200 to 300 °C, and then adding the lithium salt.

10. A process as claimed in claim 8 or claim 9, wherein the weight ratio of component (A) to component (B) is in the range of from 1:20 to 1:5.